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Amend.
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8/8/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Alfred A. Barney et al.

Art Unit : 2859

Serial No. : 09/779,437

Examiner : Mirellys Jagan

Filed : February 9, 2001

Title : TEMPERATURE-SENSING COMPOSITION

Commissioner for Patents
Washington, D.C. 20231

TECHNOLOGY CENTER 2800

AUG 1 2002

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AMENDMENT

In response to the Office Action mailed April 29, 2002 ("Office Action"), Applicant submits the following remarks. Please amend the application as follows:

In the claims:

Amend claims 11, 12 and 15 as follows:

A1 sub
C1
A11. (Amended) The method of claim 1, wherein the semiconductor nanocrystal is a member of a population that emits light in a spectral range of no greater than about 75 nm full width at half max (FWHM).--

A2 sub
C1
A12. (Amended) The method of claim 1, wherein the semiconductor nanocrystal is a member of a population exhibits less than a 15% rms deviation in diameter of the nanocrystals.--

A2 sub
C1
A15. (Amended) A temperature sensor comprising a matrix containing a semiconductor nanocrystal, the matrix formed from a semiconductor nanocrystal and a binder, a light source arranged to illuminate the semiconductor nanocrystal, and a detector arranged to detect light emitted from the semiconductor nanocrystal.--

A3 sub
C1
Add new claims 49-50 as follows:

A49. (New) The method of claim 1, wherein detecting emission of light from the sensor includes detecting emission intensity of light from the sensor.--

A50. (New) The method of claim 48, wherein detecting emission of light from the sensor includes detecting emission intensity of light from the sensor.--